SHEMYAKIN, M.M.

Mechanism of the thermal decomposition of carboxylic acid salts. Izv. AN SSSR. Otd.khim.nauk no.8:1515-1516 Ag '61. (MIRA 14:8)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Acids, Organic)

B'YUGEL'SON I.D.; LEVITOV, M.M.; MOLOTKOVSKIY, Yu.G.; SAZYKIN, Yu.O.; SHEMYAKIN, M.M.

Synthesis and study of the antimicrobial action of the simplest analogues of macrolide antibiotics. Antibiotiki 6 no.7:581-585 Jl '61. (MIRA 15:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(ANTIBIOTICS)

ARBUZOV, Yu.A.; BERLIN, Yu.A.; VOLKOV, Yu.P.; KOLOSOV, M.N.; OVCHINNIKOV, Yu.A.; SE YUY-YUAN' [Hsieh Yü-yüan]; TAO CHZHEN-E [T'ao Chêng-ê]; SHEMYAKIN, M.M.

Study of the ways of synthesizing tetracyclines. Antibiotiki 6 no.7:585-594 Jl '61. (MIRA 15:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(TETRACYCLINE)

SISAKYAN, N.M., akademik; MINTS, I.I., akademik; SATPAYEV, K.I., akademik; FRUMKIN, A.N., akademik; SHEMYAKIN, M.M., akademik; SOBOLEV, S.L., akademik; SHULEYKIN, V.V., akademik; BITSADZE, A.V.; MEL'NIKOV, N.V.; KHVOSTOV, V.M.; ROMASHKIN, P.S.; ABDULLAYEV, Kh.M.; DADYKIN, V.P., doktor biol.nauk; OBOLENTSEV, R.D., doktor khim.nauk; PONOMAREV, B.N.; BLAGONRAVOV, A.A., akademik; ARTSIMOVICH, L.A., akademik; KOSTENKO, M.P., akademik; NALIVKIN, D.V., akademik

Discussion of the report. Vest.AN SSSR 31 no.3:27-47 Mr '61. (MIRA 14:3)

1. AN Kazakhskoy SSSR (for Satpayev). 2. Chleny-korrespondenty AN SSSR (for Bitsadze, Mel'nikov, Khvostov, Romashkin, Abdullayev, Ponomarev).

(Research)

ARBUZOV, Yu.A.; KIRYUSHKIN, A.A.; KOLOSOV, M.N.; OVCHINNIKOV, Yu.A.; SHEMYAKIN, M.M., akademik

Ways of constructing a ring system of BA tetracyclines. Synthesis of esters of substituted 2-oxocyclohexylacetic acids. Dokl.AN SSSR 137 no.5:1106-1109 Ap '61. (MIRA 14:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR i Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Tetracycline) (Cyclohexanacetic acid)

RAVDEL', G.A.; KRIT, N.A.; SHCHUKINA, L.A.; SHEMYAKIN, M.M., akademik

Synthetic paths in the preparation of the peptide part of ergot alkaloids. Dokl.AN SSSR [illegible] Ap '61. (MIRA 14:4)

1. Institut boilogicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR.
(Ergot alkaloids)

SHEMYAKIN, M.M., akademik; VINOGRADOVA, Ye.I.; FEYGINA, M.Yu.; ALDANOVA, N.A.; OLADKINA, V.A.; SHCHUKINA, L.A.

Synthesis of optically active depsipeptides. Dokl. AN SSSR 140 no.2:387-390 S '61. (MIRA 14:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Peptides)

MENDELEVICH, F.A.; SHEMYAKIN, M.M., akademik

Isomerization, hydrolysis, and redox transformations of 3-[illegible]-4-carboxymethyl-5-p-chlorophenylazotropolene. Dokl. AN SSSR 141 no.6:1380-1383 D '61. (MIRA 14:12)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Tropolone) (Azo compounds)

SHEMYAKIN, Mikhail Mikhaylovich

"Synthetic approaches to the relation between structure and activity of some antibiotics"

Report to be submitted for the International Symposium on Pharmaceutical Chemistry, Firenze, Italy, 17-19 Sep 62

Institute of Chemistry of Natural Compounds, AS USSR

BERGEL'SON, L.D.; SOLODOVNIK, V.D.; SHEMYAKIN, M.M.

New synthesis of α- and β-eleostearic acids. Izv.AN SSSR.Otd. khim.nauk no.7:1315 Jl '62. (MIRA 15:7)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Eleostearic acid)

AVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.; SHEMYAKIN, M.M.

Structure of enniatin A. Izv.AN SSSR.Otd.khim.nauk no.8:1497 Ag '62. (MIRA 15:8)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Antibiotics)

MEYMAN, L.A.; MAYMIND, V.I.; SHEMYAKIN, M.M.

Reaction of phenyl azide with carbonyl compounds. Izv.AN SSSR. Otd.khim.nauk no.8:1498-1499 Ag '62. (MIRA 15:8)

1. Institut khimii prirodnykh soyedineniy AN SSSR i Institut biologicheskoy i meditsinskoy khimii AMN SSSR.
(Azides) (Carbonyl compounds)

SHEMYAKIN, M.M., akademik; ANTONOV, V.K.

Results of the 4th European Symposium on Peptide Chemistry; summary of reports. Zhur. VKHO 7 no.3:353-360 '62. (MIRA 15:6)
(Peptides--Congresses)

SHEMYAKIN, M.M.

GOFMAN, A.; FREY, A.I.; RUTSHMANN, I.; OTT, Kh.; SHEMYAKIN, M.M.; KISHFALUDI, L.; KOCHETKOV, N.K.; DEREVITSKAYA, V.A.; PROKOF'YEV, M.A.; SHABAROVA, Z.A.; FILIPPOVA, L.A.; SHANKMAN, S.; KHAYGA, S.; LIV, F.; ROBERTS, M.Ye.; GAVRILOV, N.I.; AKIMOVA, L.N.; KHLUDOVA, M.S.; MAKSIMOV, V.I.; IZELIN, B.M.; SHEPPARD, R.K.; SHKODINSKAYA, Ye.N.; VASINA, O.S.; BERLIN, A.Ya.; SOF'INA, Z.P.; LARIONOV, L.F.; KNUNYANTS, I.L.; GOLUBEVA, N.Ye.; KARPAVICHUS, K.I.; KIL'DISHEVA, O.V.; MEDZIGRADSKIY, K.; KAFTAR, M.; LEV, M.; KORENSKI, F.; BUASSONA, R.A.; GUTTMAN, St.; KHOYGENIN, R.L.; ZHAKENO, P.A.; BAZHUS, S.; LENARD, K.; DUAL'SKI, S.; SHREDER, Ye.; SHMIKHEN, R.; KHOKHLOV, A.S.

Results of the Fourth European Symposium on the chemistry of peptides. Abstracts of reports. Zhur. VKHO 7 no.4:468-476 '62. (MIRA 15:8)

1. Aktsionernoye obshchestvo "Sandos", Bazel', Shveytsariya (for Gofman, Frey, Ott, Rutshmann). 2. Farmatsevticheskaya fabrika "G.Rikhter", Budapesht, Vengriya (for Kishfaludi, Korenski, Dualski). 3. Institut khimii prirodnykh soyedineniy AN SSSR, Moskva (for Kochetkov, Derevitskaya, Shemyakin, Khokhlov). 4. Laboratoriya khimii belka Moskovskogo gosudarstvennogo universiteta (for Prokof'yev, Shabarova, Filippova, Gavrilov, Akimova, Khludova). 5. Fond meditsinskikh issledovaniy, Passadena, Kaliforniya, Sev.Soyed.Shtaty Ameriki (for Shankman, Khayga, Liv, Roberts). 6. Laboratoriya khimii belka Instituta organicheskoy

(Continued on next card)

DOBRYNIN, V.N.; GUREVICH, A.I.; KARAPETYSN, M.G.; KOLOSOV, M.N.; SHEMYAKIN, M.M.

Absolute configuration of tetracycline antibiotics. Izv.AN SSSR.Otd. khim.nauk no.9:1697 S '62. (MIRA 15:10)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Tetracycline) (Antibiotics)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.

Total synthesis of sporidesmin 1. Izv.AN SSSR.Otd.khim.nauk no.9:1699-1700 S '62. (MIRA 15:10)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Sporidesmin)

BERGEL'SON, L.D.; VAVER, V.A.; SHIMYAKIN, M.M.

New method of syntehesizing cis-cis-dienemethane systems.
Izv. AN SSSR.Otd.khim.nauk no.10:1894-1895 O '62. (MIRA 15:10)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Methane) (Butadiene)

SHEMYAKIN, M. M.; OVCHINNIKOV, Yu. A.; KIRYUSHKIN, A. A.; IVANOV, V. T.

Depsides. Report No. 7: Structure of enniatin B. Izv. AN SSSR Otd. khim. nauk no.12:2154-2161 D '62. (MIRA 16:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

(Depsides)

SHEMYAKIN, M.M.

Synthesis of optically active depsipeptides. Coll Cz Chem 27 no.9: 2252-2253 S '62.

1. Institute for the Chemistry of Natural Products, Academy of Sciences of the U.S.S.R., Moscow.

SHEMYAKIN, M.M.

Chemistry of depsipeptides. Usp.khim. 31 no.3:269-284 Mr '62.
(MIRA 15:3)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Peptides) (Depsides)

BERGEL'SON, L.D.; MOLOTKOVSKIY, Yu..G.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Part 1: Synthesis of diactylenic and diene macrocyclic lactones. Zhur. ob. khim. 32 no.1:58-64 Ja '62. (MIRA 15:2)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Lactones)

BERGEL'SON, L.D.; VAVER, V.A.; KOVTUN, V.Yu.; SENYAVIN, L.B.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Part 2: Stereospecific method for synthesizing natural unsaturated fatty acids with the aid of Wittig reaction. Zhur.obshch.khim. 32 no.6:1802-1807 Je '62. (MIRA 15:6)

(Acids, Fatty) (Wittig reaction) (Unsaturated compounds)

BERGEL'SON, L.D.; VAVER, V.A.; BEZ:UBOV, A.A.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Part 3: Using Wittig reaction for the synthesis of higher fatty acids with a branched chain. Zhur.ob.khim. 32 no.6:1807-1811 J- '62. (MIRA 15:6)
(Acids, Fatty) (Wittig reaction)

BERGEL'SON, L.D.; VAVER, V.A.; BARSUKOV, L.I.; SHEMYAKIN, M.M., akademik

Mechanism and steric course of the Wittig reaction as affected by external factors. Dokl. AN SSSR 143 no.1:111-114 Mr '62. (MIRA 15:2)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Wittig reaction)
(Stereochemistry)

BERGEL'SON, L.D.; DYATLOVITSKAYA, E.V.; SHEMYAKIN, M.M.

Total synthesis of kamlolenic acid. Izv.AN SSSR.Otd.khim.nauk no.2:388 F '63. (MIRA 16:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Kamlolenic acid)

BERGEL'SON, L.D.; DYATLOVITSKAYA, E.V.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Report No.7: Synthesis of unsaturated (ω) -hydroxy acids. Izv.AN SSSR.Otd. khim.nauk no.3:506-509 Mr '63. (MIRA 16:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Acids, Fatty) (Unsaturated compounds)

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Structure and total synthesis of enniatin B. Izv.AN SSSR. Otd.khim.nauk no.3:579 Mr '63. (MIRA 16:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Enniatin)

OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.; SHEMYAKIN, M.M.

Structure of sporidesmolide; part 2. Izv. AN SSSR. Otd.khim. nauk no.4: 770 Ap '63. (MIRA 16:3)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Sporidesmin)

BERGEL'SON, L.D.; VAVER, V.A.; BARSUKOV, L.I.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Report No.11: Total synthesis of cis-8-hexadecenoic, cis-11-hexadecenoic (palmitvaccenic), cis-7-octadecenoic, and cis-9-hexacosanoic acids. Izv.AN SSSR. Ser.khim. no.8:1417-1421 Ag '63. (MIRA 16:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Hexadecenoic acid) (Octadecenoic acid) (Hexacosanoic acid)

BOLESOV, I.G.; KOLOSOV, M.N.; SHEMYAKIN, M.M., akademik

Synthesis of an analog of dimethyltetracycline. Dokl. AN SSSR 151 no.5:1097-1099 Ag '63. (MIRA 16:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR.
(Tetracycline)

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.; SHEMYAKIN, M.M., akademik

Conformation factors in the cyclization of depsipeptides. Dokl. AN SSSR 153 no.6:1342-1345 D '63. (MIRA 17:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; KIRYUSHKIN, A.A.;
SHEMYAKIN, M.M., akademik

Doubling mechanism in the cyclization of depsipeptides and peptides. Dokl. AN SSSR 153 no.1:122-125 N '63.
(MIRA 17:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

VUL'FSON, N.S.; ZARETSKIY, V.I.; PUCHKOV, V.A.; ZAIKIN, V.G.; SHKROB, A.M.; ANTONOV, V.A.; SHEMYAKIN, M.M., akademik

Mutual transformations of cyclols and cyclodepsipeptides studied by the method of fragmentary mass spectrometry. Dokl. AN SSSR 153 no.2:336-339 N '63. (MIRA 16:12)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

ARBUZOV, Yu.A.; BIELVICH, K.A.; BOLESOVA, I.N.; VOLKOV, Yu.P.; KOLOSOV, M.N.; SHEMYAKIN, M.M.

Tetracyclines. Report No.19: Synthesis of 2- and 3-substituted 10-keto-9-hydroxy-1,2,3,4a,9,9a,10-octahydroanthracenes. Izv. AN SSSR. Ser.khim. no.3:482-491 Mr '64. (MIRA 17:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

VOLKOV, Yu.P.; KOLOSOV, M.N.; KOROBKO, V.G.; SHEMYAKIN, M.M.

Tetracyclines. Report No.20: Configuration of 2- and 3-substituted 10-keto-9-hydroxy-1,2,3,4,4a,9,9a,10-octahydroanthracenes and the stereochemistry of the reduction of naphthoquinone-butadiene adducts with aluminum hydride. Izv. AN SSSR. Ser.khim. no.3 492-501 Mr '64. (MIRA 17:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

[illegible], V. K.; SHEMYAKIN, M. M.

Isomerization of N-acyl[illegible]. Izv AN SSSR Ser Khim no. 4:774 [illegible] '64. (MIRA 17:5)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

SHEMYAKIN, Mikhail Mikhaylovich; GUREVICH, A. I.; KOLOSOV, M. N.

"Synthesis of anhydrotetracycline related compounds."

Report presented for the 3rd Intl. Symposium on the Chemistry of Natural Products (IUPAC), Kyoto, Japan, 12-18 April 1964.

ANTONOV, V. K.; SHEMYAKIN, M. M.; SHKROB, A. M.

"New data on hydroxy- and amino-acyl incorporation into peptide systems."

report submitted for the 7th European Peptide Symp, Budapest, 3-8 Sep 64.

SHEMYAKIN, M. M.; OVCHINNIKOV, Yu. A.; IVANOV, V. T.; KIRYUSHKIN, A. A.

"Studies in the conformation of cyclodepsipeptides."

report submitted for the 7th European Peptide Symp, Budapest, 3-8 Sep 64.

SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; ANTONOV, V.K.; KIRYUSHKIN, A.A.; IVANOV, V.T.; SHCHELOKOV, V.I.; SHKROB, A.M.

Synthesis of O,O'-diacetylserratomolide. Izv. AN SSSR. Ser. khim. no.12:2233 D '63. (MIRA 17:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

SHEMYAKIN, M.M.; KNUNYANTS, I.L.; KRETOVICH, V.L.; KRYLOV, V.P.

In memory of N.S.Drozdov. Zhur.ob.khim. 33 no.12:4018-4019 D '63. (MIRA 17:3)

BERLIN, Yu. A.; KOLOSOV, M. N.; SHEMYAKIN, M. M.; BRAZHNIKOVA, M. G.*

"Olivomycin - hydrolysis and alcoholysis."

report submitted for Antibiotics Cong, Prague, 15-19 Jun 64.

Inst of Chemistry of Natural Substances, AS USSR, Moscow; *Inst for the Search of New Antibiotics, AMS USSR, Moscow.

ARBUZOV, Yu.A.; BOLESOV, I.G.; BREGADZE, V.I.; KOLOSOV, M.N.; SHEMYAKIN, M. M.; EL'PERINA, Ye.A.

Tetracycline series. Report No.18: Synthesis of 2- and 3-substituted 9-keto-1,2,3,4, 4a,9,9a,10-octahydroanthracenes. Izv.AN SSSR. Ser.khim. no.2:310-319 F '64. (MIRA 17:3)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

[illegible]

Practice in making telescopes of the Moscow Branch of the All-Union Astronomical and Geodetic Society. Lub. teleskopostr. no.1:97-98 '64 (MIRA 18:1)

GUREVICH, A.I.; KARAPETYAN, M.G.; KOLOSOV, M.N.; KOROBKO, V.G.; ONOPRIYENKO, V.V.; SHEMYAKIN, M.M., akademik

Synthesis of hydronaphthacenes related to anhydrotetracyclines. Dokl. AN SSSR 155 no.1:125-127 Mr '64. (MIRA 17:4)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

[illegible], Ya.A.; [illegible], M.N.; SHAMYAKIN, M.M.

Tetracyclines. Part 22: Building up a ring A of tetracyclines. Zhur. ob. khim. 34 no. 3 807 Mr '64. (MIRA 17:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

MAKLIN, Yu.A.; MIKOV, Yu.P.; KOCHKOV, N.K.; OVCHINNIKOV, Yu.A.; [illegible] [Hsiao Cheng-e]; SHEMYAKIN, M.M.

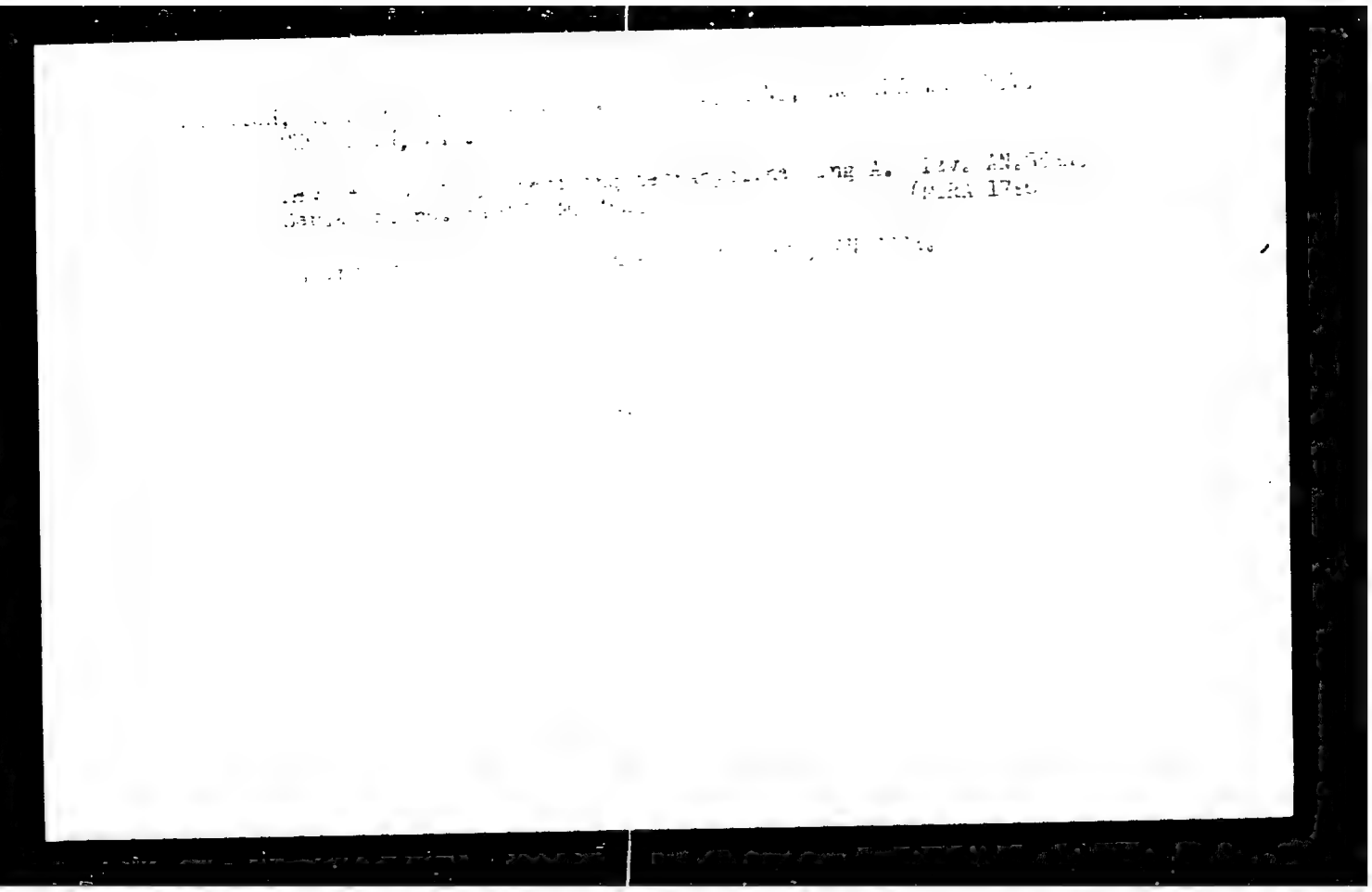
Tetracyclines. Part 22: New paths for building up a ring A of dedimethylaminotetracyclines. Zhur. ob. khim. 34 no. 3: 798-798 Mr '64. (MIRA 17:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

SHEMYAKIN, M. M.; VINOGRADOVA, Ye. I.; FEYGINA, M. Yu.; ALDANOVA, N. A.

Depsipeptides. Part 17: Cyclization of linear tetra-and octadepsipeptides. Zhur. ob. khim. 34 no.6:1798-1803 Je '64. (MIRA 17:7)

1. Institut khimii prirodnykh soyedineniy AN SSSR.



NEYMAN, L.A.; MAYMIND, V.I.; SHEMYAKIN, M.M.

Interaction of the azide group with a nitroso group. Izv. AN SSSR Ser. khim. no.7:1357 Jl '64. (MIRA 17:8)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

SHEMYAKIN, M.M., akademik; IVANOV, V.T.

Sixth European Symposium on the Chemistry of Peptides. Zhur. VKHO 9 no. 3:332-334 '64. (MIRA 17:9)

SHEMYAKIN, M. M.; VINOGRADOVA, Ye. I.; FEYGINA, M. Yu.; ALDANOVA, N. A.; OVCHINNIKOV, Yu. A.; KIRYUSHKIN, A. A.

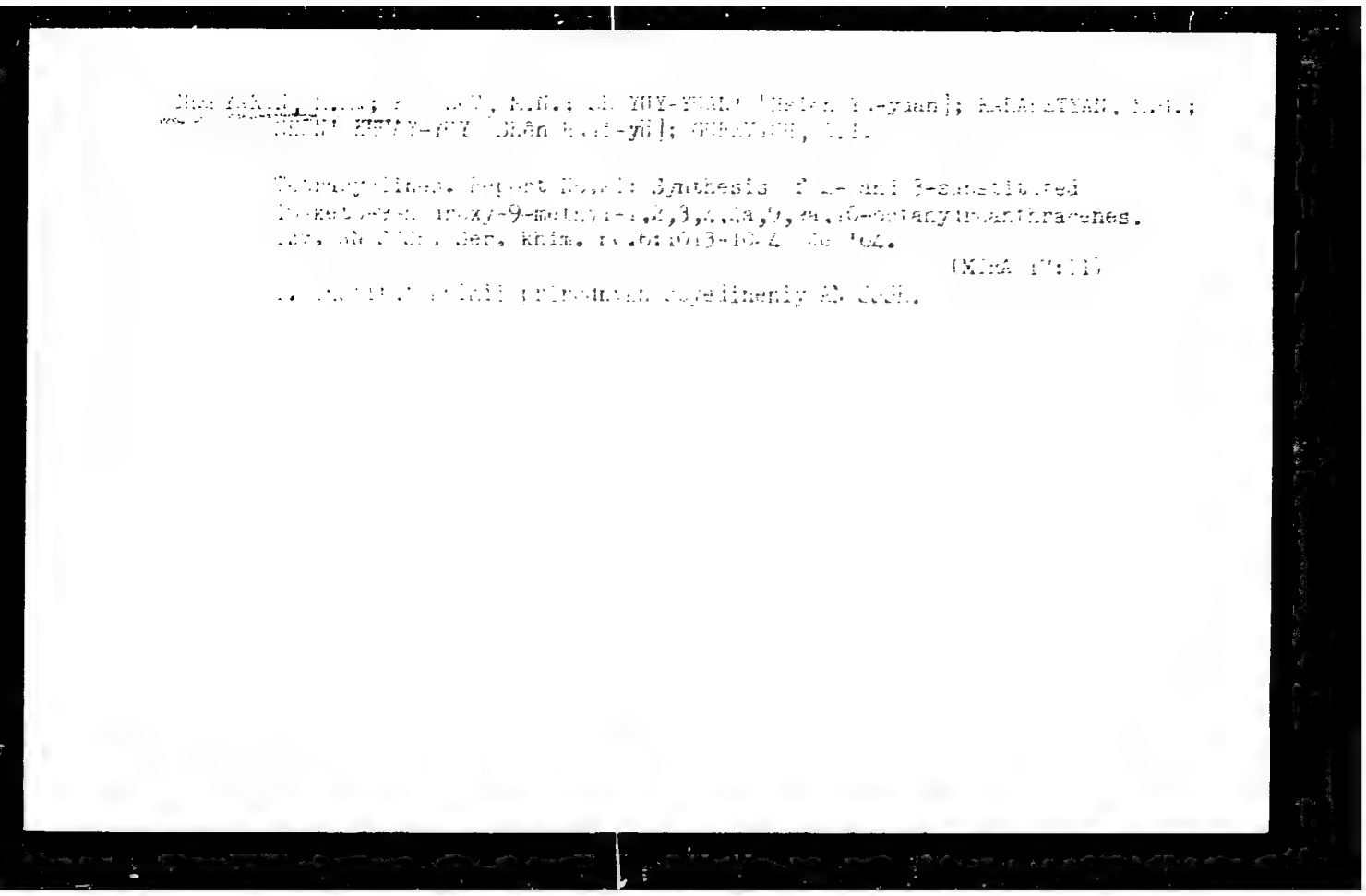
Depsipeptides. Part 16: Paths in the synthesis of optically active linear depsipeptides. Zhur. ob. Khim. 34 no.6:1782-1797 Je '64. (MIRA 17:7)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

KOLOSOV, M.N.; POPRAVKO, S.A.; GUREVICH, A.I.; KOROBKO, V.G.; VASINA, I.V.; SHEMYAKIN, M.M.

Tetracyclines. Part 28: Synthesis and reversible isomerization of the derivatives of 9-keto-4,5,10-trihydroxy-1,4,4a,9,9a,10-hexahydroanthracene. Zhur. ob. khim. 34 no.8:2534-2539 Ag '64. (MIRA 17:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR.



SHEMYAKIN, M.M.; KOLOSOV, M.N.; KAPAMETYAN, M.G.; SE YUY-YUAN' [Hsieh Yü-yüan]; ONOPRIYENKO, V.V.

Tetracyclines. Report No.22: Stereochemistry of 2-, and 3-substituted 10-keto-9-hydroxy-9-methyl-1,2,3,4,4a,9,9a,10-octahydroanthracenes. Izv. AN SSSR. Ser. khim. no.6:1024-1035 Je '64. (MIRA 17:11)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

BERGEL'SON, L.D.; VAVER, V.A.; BEZZUBOV, A.A.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Report No.13: New synthetic path for obtaining the divinylethane system. Izv. AN SSSR. Ser. khim. no.8:1453-1456 Ag '64. (MIRA 17:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

BERGEL'SON, L.D.; DYATLOVITSKAYA, E.V.; SHEMYAKIN, M.M.

Unsaturated acids and macrocyclic lactones. Report No.15: Total synthesis of α- and β-kamlolenic acids. Izv. AN SSSR Ser. khim. no.11:2003-2007 N '64 (MIRA 18:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

KOLOSOV, M.N.; POPRAVKO, S.A.; KOROBKO, V.G.; KARAPETYAN, M.G.; SHEMYAKIN, M.M.

Tetracyclines. Part 30: Construction of a tricyclic system DCB of tetracycline antibiotic. Zhur. ob. khim. 34 no.8:2547-2553 Ag '64. (MIRA 17:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

GUREVICH, A.I.; KOHOS , M.H.; [illegible]; [illegible]; SHEMYAKIN, M.M.

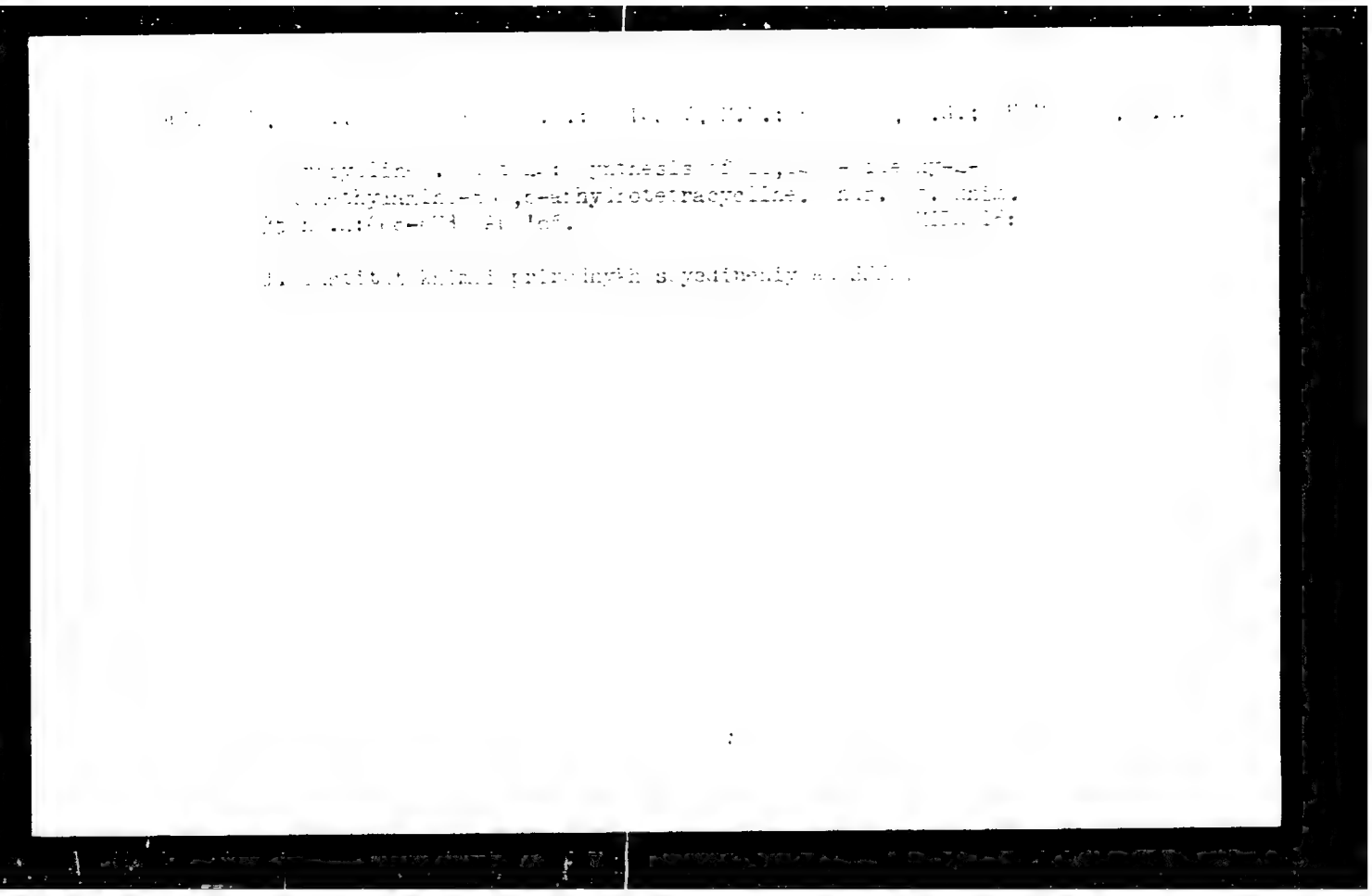
Tetracyclines: Part 49: Michael's reaction with derivatives of 7'-tricycline DOL. Zhur. ob. khim. 36 no.4:[illegible] Ap '66.
(MIRA 18:5)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

ZARETSKIY, V.I.; VUL'FSON, N.S.; ZAIKIN, V.G.; KISIN, A.V.; SHKROB, A.M.; ANTONOV, V.K.; SHENYAKIN, M.M.

Mass spectrometric study of cyclols containing aromatic rings. Izv. AN SSSR Ser. khim. no.11:2076-2079 N '64 (MIRA 18:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR.



KLASKV, M.N.; [illegible], V.V.; SHAMYAKIN, M.M.

Tetracyclines. Part 41: Synthesis of 11,12 —dideoxy-4-dedimethyl-amino-6-demethyl-5 ,6-anhydrotetracycline. Zhur. ob. khim. 35 no.4:657-660 Ap '65. (MIRA 18:5)

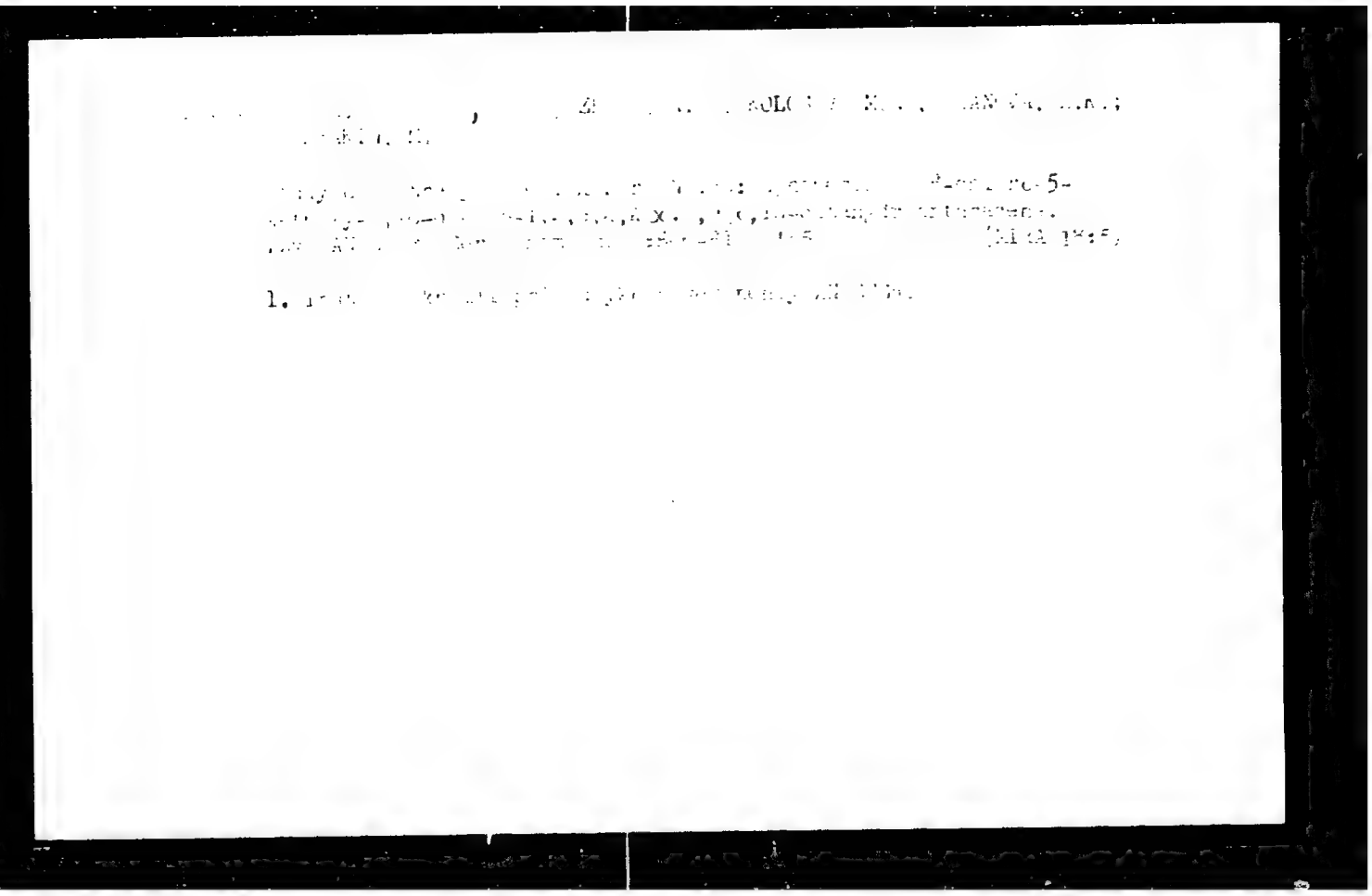
1. Institut novykh antibiotikov Ministerstva meditsinskoy promyshlennosti SSSR.

DANILOV, S.N., glav. red.: ARBUZOV, A.Ye., red.; VVEDENSKIY, A.A., red.; VENUS-DANILOVA, E.D., red.; ZAKHAROVA, A.I., red.; IOFFE, I.S., red.; KAVERZNEVA, Ye.D., red.; LUTSENKO, I.F., red.; MISHCHENKO, K.P., red.; NEMTSOV, M.S., red.; PETROV, A.A., red.; FREYDLINA, R.Kh., red.; SHEMYAKIN, M.M., red.; SHUKAREV, S.A., red.; YUR'YEV, Yu.K., red.

[Biologically active compounds] Biologicheski aktivnye soedineniia. Moskva, Nauka, 1965. 305 p.
(MIRA 18:7)

SHEMYAKIN, M.M.

Organic biochemistry, present state and future development. Izv. AN SSSR. Ser. biol. no.4:473-480 Jl-Ag '65. (MIRA 18:7)



BOLESOV, I.G.; KOLOSOV, M.N.; SHEMYAKIN, M.M.

Tetracycline series. Report No.34: Synthesis of 2-decarboxyamido-4-dedimethylamino-6,10,12-trideoxy-6-demethyl-11α,12-dihydrotetracycline, an analog of 6-demethyltetracycline. Izv. AN SSSR. Ser. khim. no.6:1039-1044 '65. (MIRA 18:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

ANTONOV, L.F.; SHOKHLOKOV, V.I.; SHEMYAKIN, M.M.; TOVAROVA, I.I.; KISELEVA, O.A.

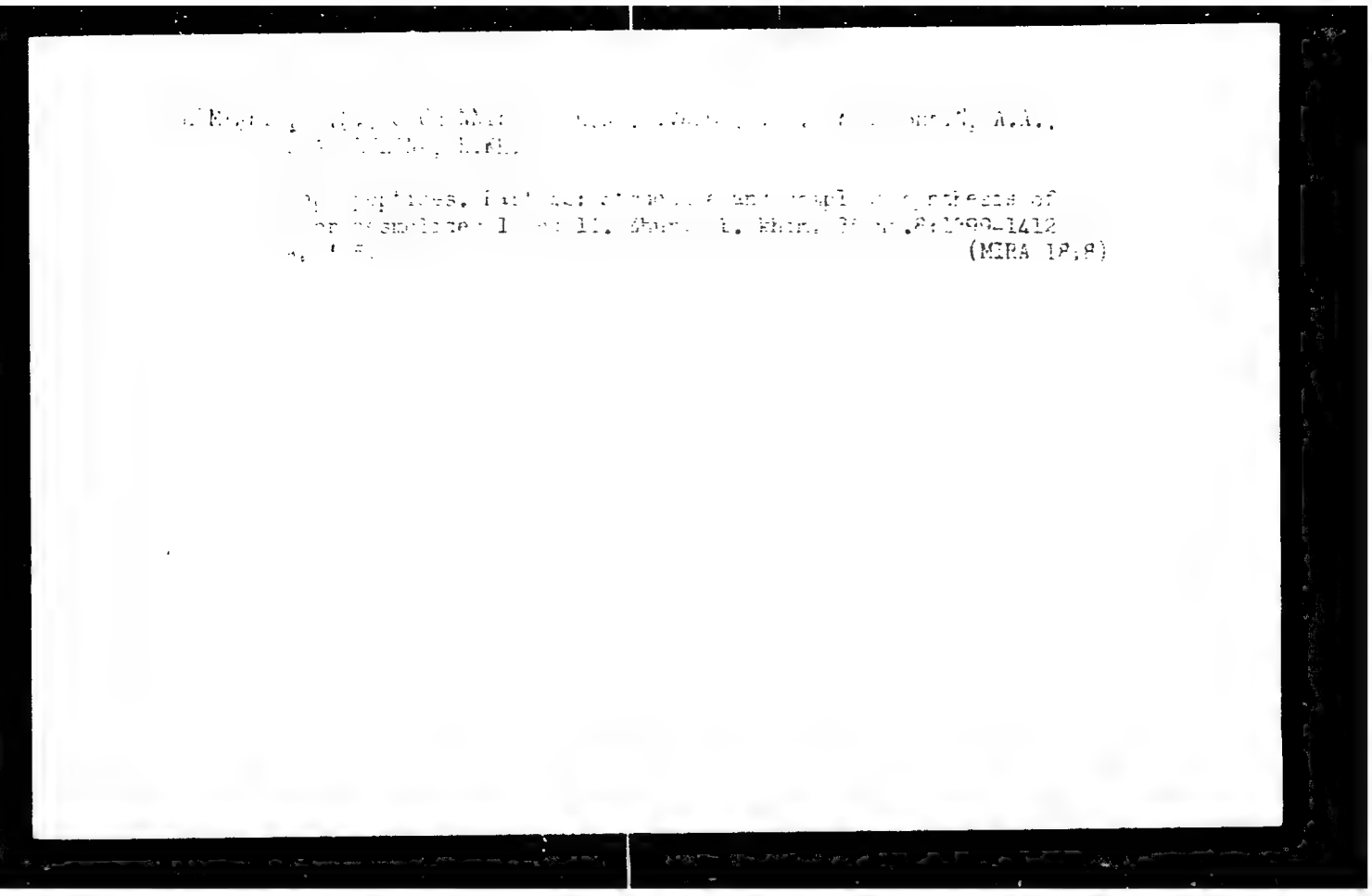
Selective hydrolysis of O,O'-diacetylserratomolide and a comparison of the synthetic and biosynthetic types of the antibiotic. Antibiotiki 10 no.5:387-390 My '65. (MIRA 18:6)

1. Institut khimii prirodnykh soyedineniy AN SSSR, Moskva. 2. Laboratoriya khimii antibiotikov Instituta khimii prirodnykh soyedineniy AN SSSR, Moskva (for Shemyakin). 3. Laboratoriya vydeleniya i ochistki prirodnykh soyedineniy Instituta khimii prirodnykh soyedineniy AN SSSR, Moskva (for Kiseleva).

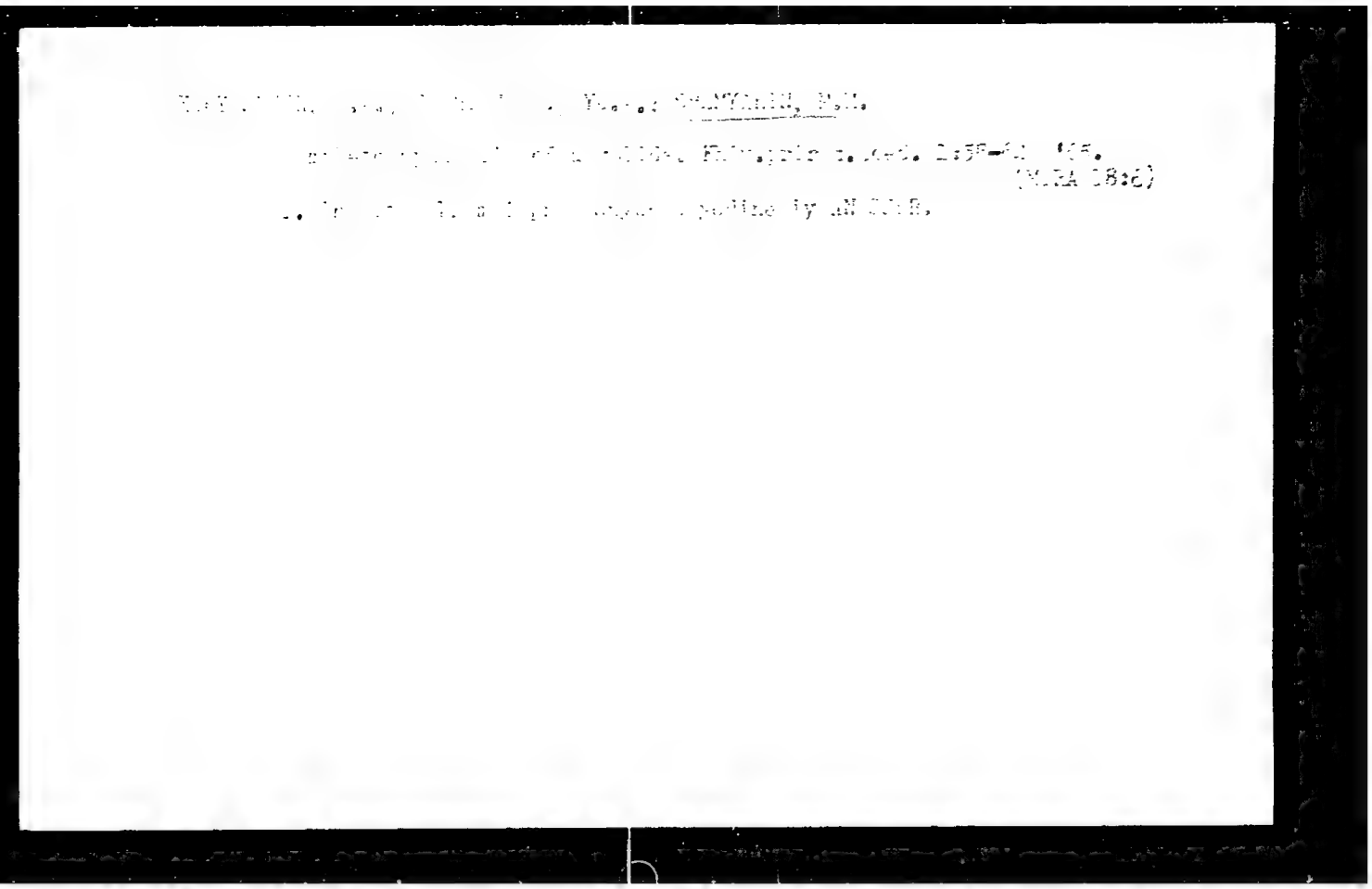
ANTONOV, V.P., SHKROB, A.M., SHIMYAKIN, M.M.

Activation of the amide group by acylation. Part 3: Oxyacyl inclusion reaction in the N-oxyacyllactam series. Zhur. ob. khim. 35 no.8:1380-1389 Ag '65. (MIRA 18:8)

1. Institut khimii prirodnykh soyedineniy AN SSSR.



(MIRA 18:8)



SHEMYAKIN, M.M.

A telescope can be constructed at home. Zem. i vsel. 1 no.1:89-92 Ja-F '65. (MIRA 18:7)

1. Zaveduyushchiy otdelom teleskopostroyeniya TSentral'nogo soveta Vsesoyuznogo astronomo-geodezicheskogo obshchestva.

SHEMYAKIN, M.M.

Conference of the constructors of home-made telescopes. Zem.i vsel. 1 no.2:76-77 Mr-Ap '65. (MIRA 18:8)

1. Zaveduyushchiy otdelom teleskopostroyeniya pri TSentral'nom sovete Vsesoyuznogo astronomo-geodezicheskogo obshchestva.

ANTONOV, V.K.; AGADZHANYAN, I.S.Ye.; TSERKOVNA, I.R.; SHEMYAKIN, M.M.

Activation of an amide group by activation. Part 5: Inclusion of amino acid radicals into linear and cyclic peptides. Zhur. ob.khim. 35 no.12:2231-2238 D '65. (MIRA 19:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR. Submitted December 23, 1964.

RAVDEL', G.A.; KRIT, N.A.; OLADKINA, V.A.; SHCHUKINA, L.A.; SHEMYAKIN, M.M.

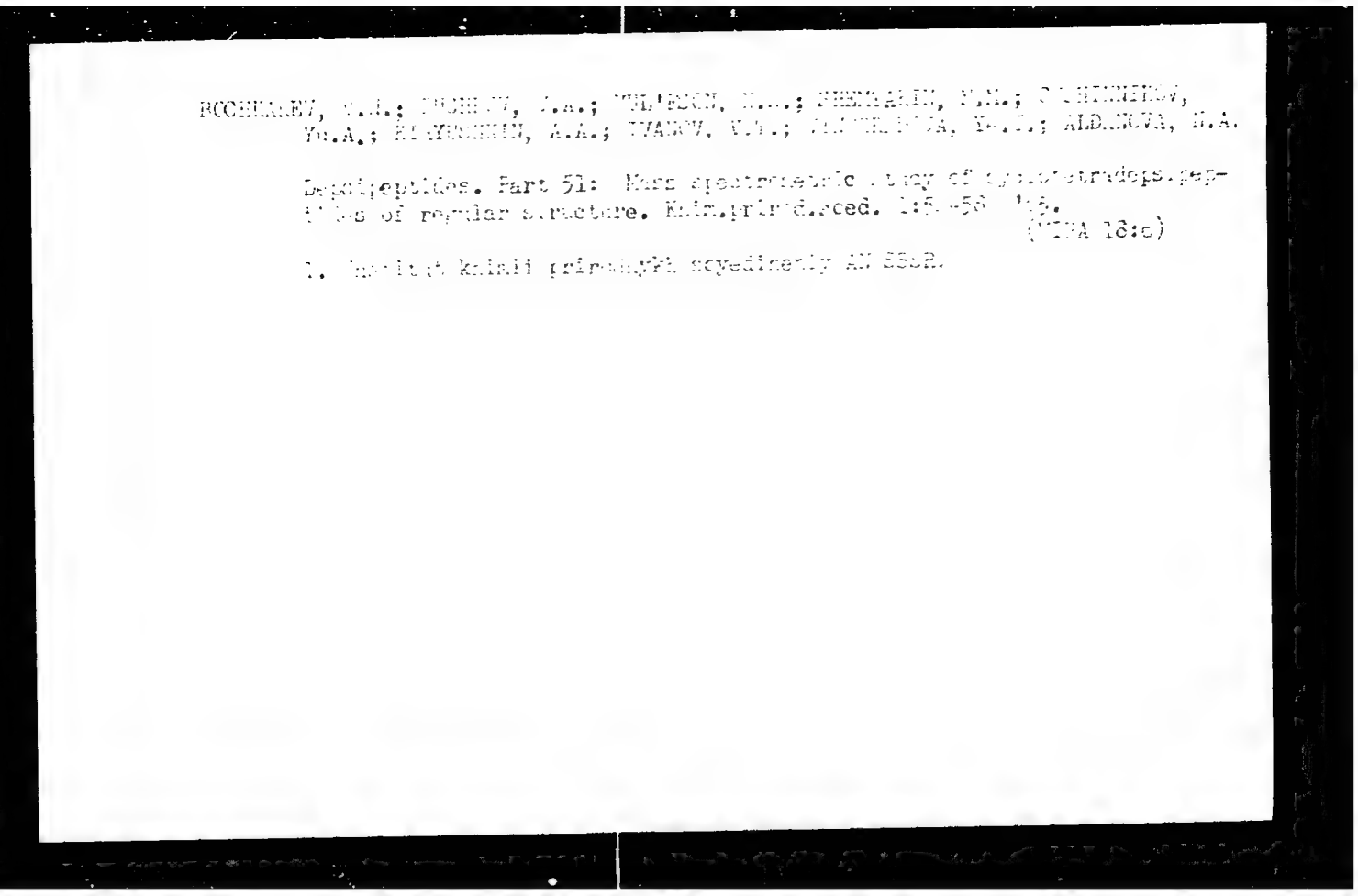
Depsipeptides. Report No.31: Synthesis of depsipeptides containing α-hydroxy-β-amino acid radicals. Izv. AN SSSR. Ser. khim. no.11:1987-1992 '65. (MIRA 18:11)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

ANTONOV, V.I.; [illegible], V.I., [illegible]MYSKIN, M.I.

Activation of an amide group by acylation. Part 6: Synthesis of cyclodepsipeptides by hydroxyacyl inclusion into cyclopeptides. Zhur.ob.khim. 35 no.12:2237-2246 D '65. (MIRA 19:1)

1. Institut khimii prirodnykh soyedineniy AN SSSR. Submitted December 23, 1964.



SHEMYAKIN, M.M.; OVCHINNIKOV, Yu.A.; KIRYUSHKIN, A.A.; IVANOV, V.T.

Chemistry of depsipeptides. Report 25: Structure and complete synthesis of enniatins A and B. Izv. AN SSSR. Ser. khim. no.9: 1623-1630 '65. (MIRA 18:9)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

OVCHINNIKOV, Yu.A.; IVANOV, V.T.; MIKHALEVA, I.I.; SHEMYAKIN, M.M.

Synthesis of enniatin C. Izv. AN SSSR. Ser. khim. no.10:1912 O '64. (MIRA 17:12)

1. Institut khimii prirodnykh soyedineniy AN SSSR.

DANILOV, S.N., glav. red.; ZAKHAROVA, A.I., red.; ARBUZOV, A.Ye., red.; VYSHNAYA, A.A., red.; VENUS-DANILOVA, E.D., red.; IOFFE, I.S., red.; KAZANSKAYA, Ye.D., red.; LUTSENKO, I.F., red.; MIKHLENKO, K.P., red.; NEMTSEV, M.S., red.; PETROV, A.A., red.; FREYDLINA, R.Kh., red.; SHEMYAKIN, M.M., red.; SHCHUKAREV, S.A., red.; YUR'YEV, Yu.K., red.

[Problems of organic synthesis] Problemy organicheskogo sinteza. Moskva, Nauka, 1965. 323 p. (MIRA 18:8)

L 25812-66 EWT(1)/T RO/JK

ACC NR: AP6015924 SOURCE CODE: UR/0216/65/000/004/0473/0480

AUTHOR: Shemyakin, M. M. 34 32 B

ORG: none

TITLE: Bio-organic chemistry--current status and prospects

SOURCE: AN SSSR. Izvestiya. Seriya biologicheskaya, no. 4, 1965, 473-480

TOPIC TAGS: biochemistry, plant chemistry, organic chemistry, therapeutics, antibiotic, vitamin, corticosteroid, drug, alkaloid

ABSTRACT: Modern bio-organic chemistry and biochemistry, which lie on the borderline between chemistry and biology, are key disciplines that largely determine the development of both chemistry and biology as a whole. The main objective of bio-organic chemistry is to study the chemistry of natural and synthetic substances in relation to their physiological functions. This clearly defines both the theoretical and applied aspects of the field. The growth of bio-organic chemistry must naturally be closely linked with the development of biochemistry at the molecular, subcellular, and cellular levels, the ultimate goal of which is to elucidate the physicochemical basis and control of vital processes in the integral organism.

Such practical problems as therapy of the most dangerous diseases (cancer, radiation sickness, cardiovascular disease, nervous and mental

Card 1/2 UDC: 577.1

2

L 25812-66

ACC NR: AP6015924

2

disorders and eradication of infectious diseases of man, agricultural animals, and plants (especially virus and fungus diseases) require, as before, the search for, study and synthesis of antibiotics, steroids, vitamins, drugs of plant origin (alkaloids, glycosides, etc.), and various synthetic compounds. Another set of problems includes the stimulation and directed regulation of animal growth and chemical methods of protecting plants and controlling their development. [JPRS]

SUB CODE: 06, 07 / SUBM DATE: none

Card 2/2 CC

L 26556-66 EWT(m) RM

ACC NR: AP6017361 SOURCE CODE: UR/0062/66/000/003/0499/0505

AUTHOR: Bergel'son, L. D.; Solodovnik, V. D.; Shemyakin, M. M.

ORG: Institute of Chemistry of Natural Compounds, AN SSSR (Institut khimii prirodnykh soyedinenniy AN SSSR)

TITLE: Stereoregulated synthesis of unsaturated compounds. Report 9. Stereochemistry of the reaction between aldehydes and beta, gamma-unsaturated triphenylphosphorylides

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 499-505

TOPIC TAGS: organic synthetic process, aldehyde, stereochemistry, halide, organic phosphorus compound, IR spectrum

ABSTRACT: The effect of the polarity of the medium and the nature of the halide ions on the steric trend of the carbonyl-olefinization reaction was studied with the aid of beta,gamma-unsaturated triphenylphosphorylides. Conditions which permit the utilization of the carbonyl-olefinization reaction for the stereo-directed synthesis of trans,trans- and trans,cis-dienes were established. The authors express their gratitude to L. B. Senyavina who performed the IR-spectra. Orig. art. has: 3 formulas and 1 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 18Oct63 / ORIG REF: 006 / OTH REF: 012

Card 1/1 UDC: 542.91+541.63

L 26541-66 EWT(m) RM

ACC NR: AP6017362 SOURCE CODE: UR/0062/66/000/003/0506/0511

AUTHOR: Bergel'son, L. D.; Vaver, V. A.; Barsukov, L. I.; Shemyakin, M. M. 29 B

ORG: Institute of Chemistry of Natural Compounds, AN SSSR (Institut khimii prirodnykh soyedineniy AN SSSR)

TITLE: Stereoregulated synthesis of unsaturated compounds. Report 10. Stereochemistry of the reactions between aldehydes and phosphonate- and phosphinoxide-carbanions

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 3, 1966, 506-511

TOPIC TAGS: stereochemistry, organic synthetic process, aldehyde, organic phosphorus compound

ABSTRACT: The reaction between phosphonate- and phosphinoxide-carbanions with aromatic and aliphatic aldehydes leads selectively to the trans-olefins. The steric trend of the reaction does not depend on the polarity of the medium. Orig. art. has: 5 figures and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: 05Nov63 / ORIG REF: 008 / OTH REF: 009

Card 1/1 CC UDC: 541.64+542.91

ACC NR: AP7003653 SOURCE CODE: UR/0079/66/036/008/1391/1405

AUTHOR: Shemyakin, M. M.; Vinogradova, Zo. I.; Feygina, M. Yu.; Aldanova, N. A.; Shvetsov, Yu. B.; Fonina, L. A.

ORG: Institute of the Chemistry of Natural Compounds, AN SSSR (Institut khimii prirodnykh soyedineniy AN SSSR)

TITLE: Synthesis and antibacterial activity of valinomycin analogs

SOURCE: Zhurnal obshchey khimii v. 36, no. 8, 1966, 1391-1405

TOPIC TAGS: bactericide, organic synthetic process

ABSTRACT: In a study of the relationship between the structure and biological effects of depsipeptides related to valinomycin, the authors synthesized a series of its linear and cyclic analogs, differing in chain length or size of ring, as well as in the nature and configuration of the hydroxy and amino acid residues. The optically active linear depsipeptides were synthesized by a method developed earlier by the authors for the total synthesis of valinomycin, consisting of gradual construction of the depsipeptide chain by the creation first of esters, then of amide bonds. The activity of the depsipeptides was found to depend upon the presence and size of the ring, as well as on the nature and configuration of the amino and hydroxy acid residues. All of the investigated cyclotetra- and cyclooctadepsipeptides had no activity at all, whereas many cyclododecadepsipeptides possessed substantial activity; the activity again disappeared for

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L 11397-65
ACC NR: AP7003653

cyclohexadecadepsipeptides. The structure of the radicals and configuration of the amino acid residues in the valinomycin molecule could be varied substantially (on a limited portion of the chain) without any significant loss of activity. However, a change in the structure of the radical or configuration of the hydroxy acid residues usually led to an almost total destruction of the antimicrobial activity. It was concluded that the antibiotic activity of depsipeptides is evidently associated with their interaction with the lipoproteins of the cell membranes, expressed in the ability of these compounds to selectively induce active transport of potassium ions (but not of sodium ions) into animal mitochondria. Orig. art. has: 1 figure and 14 tables. [JPRS: 38,970]

SUB CODE: 06,07 / SUBM DATE: 12Jul65

Card 2/2 jb

SHEMYAKINA, A.A.

Quick method for isolating dysentery bacteria. Lab.delo 3 no.4:33 Jl-Ag '57. (MLRA 10:8)

1. Iz dorozhnoy sanitarno-epidemiologicheskoy stantsii (nachal'nik G.A.Klyukova) Sverdlovskoy zheleznoy dorogi
(DYSENTERY)

SHEMYAKINA, A.A.

Viability of dysentery bacteria in water, bread, and sour milk products, and in a dried state. Gig. i san. 23 no.8:79 Ag '58 (MIRA 11:9)

1. Iz sanitarno-epidemiologicheskoy stantsii Sverdlowskoy zheleznoy dorogi.
(SHIGELLA PARADYSENTERIAE)
(FOOD--BACTERIOLOGY)

SHEMYAKINA, A.A.

Antagonistic properties of Escherichia coli. Zhur.mikrobiol. epid. i immun. 30 no.5:143 My '59. (MIRA 12:9)

1. Iz sanitarno-epidemiologicheskoy stantsii Sverdlovskoy zheleznoy dorogi.
(ESCHERICHIA COLI)

SHEMYAKINA, A.A.; GALITAROV, S.S.; SUYEVALOVA, L.K.

Determination of the ferment, cystinase, in cultures of diphtheria bacilli. Lab.delo 7 no.7:57-58 Jl '61. (MIRA 14:6)

1. Dorozhnaya sanitarno-epidemiologicheskaya stantsiya Sverdlovskoy zheleznoy dorogi (nachal'nik G.A.Klyukova).
(ENZYMES) (CORYNEBACTERIUM DIPHTHERIAE)

SHEMYAKINA, A.A.

Formation of hydrogen sulfide by intestinal microbes growing on different culture media. Zhur. mikrobiol., epid. i immun. 40 no.11: 74-76 N '63. (MIRA 17:12)

1. Iz Dorozhnoy sanitarno-epidemiologicheskoy stantsii Sverdlovskoy zheleznoy dorogi.

SHEMYAKINA, A.A.; STEPANOVA, S.V.

Study of the antibiotic sensitivity of cultures of dysentery bacilli and enteropathogenic colibacilli isolated in a sanitary epidemiological laboratory in 1961. Antibiotiki 9 no.2:165-167 F '64. (MIRA 17:12)

1. Dorozhnaya sanitarno-epidemiologicheskaya stantsiya Sverdlovskoy zheleznoy dorogi, Sverdlovsk.

M

USSR/Cultivated Plants. Cereals.

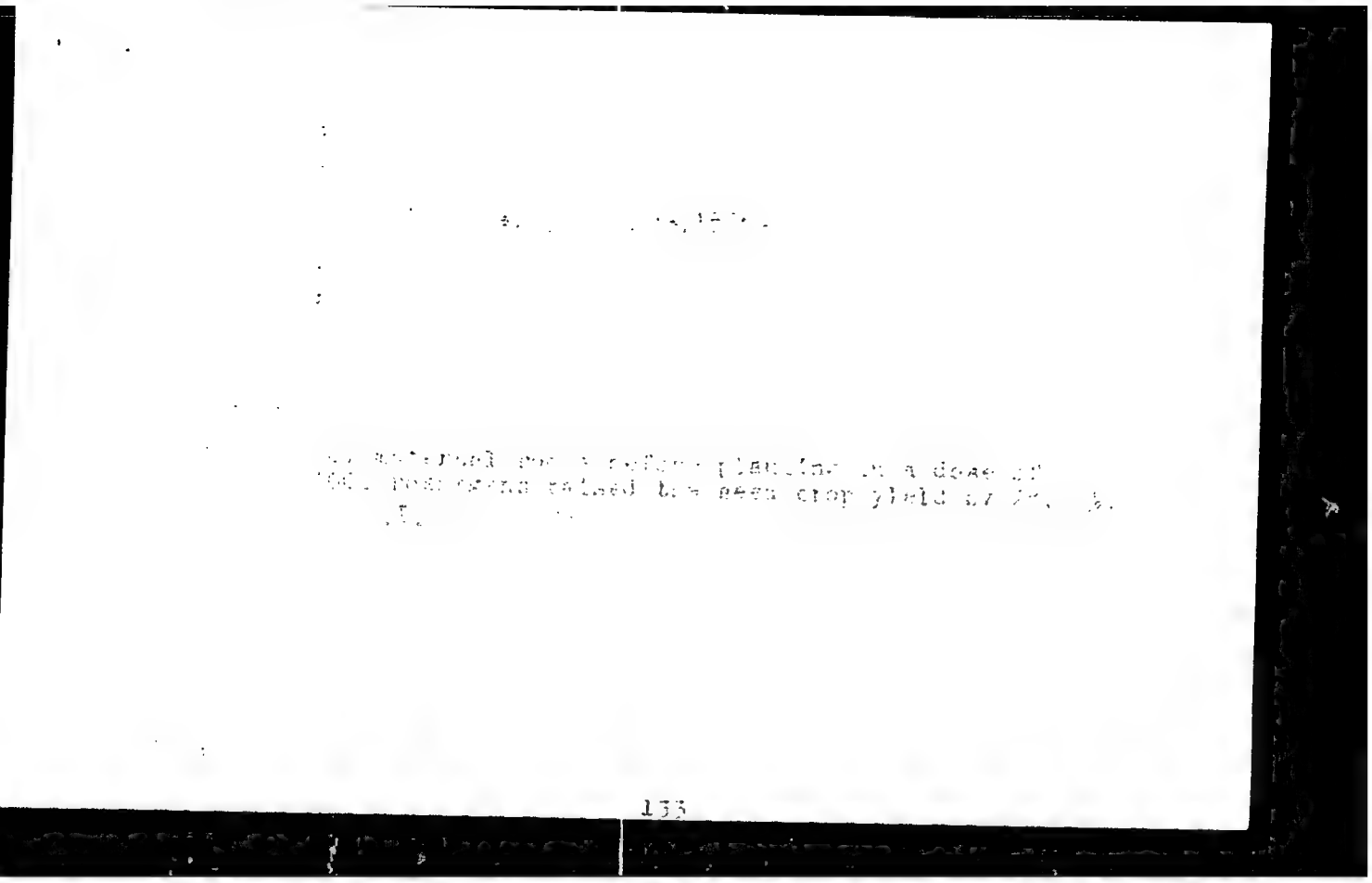
Abs Jour: Ref Zhur-Biol., No 17, 1958, 77585.

Author : Shemyakina, A.F.
Inst : Moscow Agricultural Academy Imeni K. A. Timiryazev
Title : Formation of the Root System of Winter Wheat Depending on Treatment of Soil and Application of Fertilizers.

Orig Pub: Dokl. Mosk. s.-kh. akad. im. K.A. Timiryazeva, 1957, vyp. 28, 165-170.

Abstract: Investigations were conducted at the experimental station of field husbandry of the Timiryazev Agricultural Academy in 1955-1956. The basic mass of the roots is located in the upper (0-20 cm) layer of the soil; with deepening of plowing, the quantity

Card : 1/2

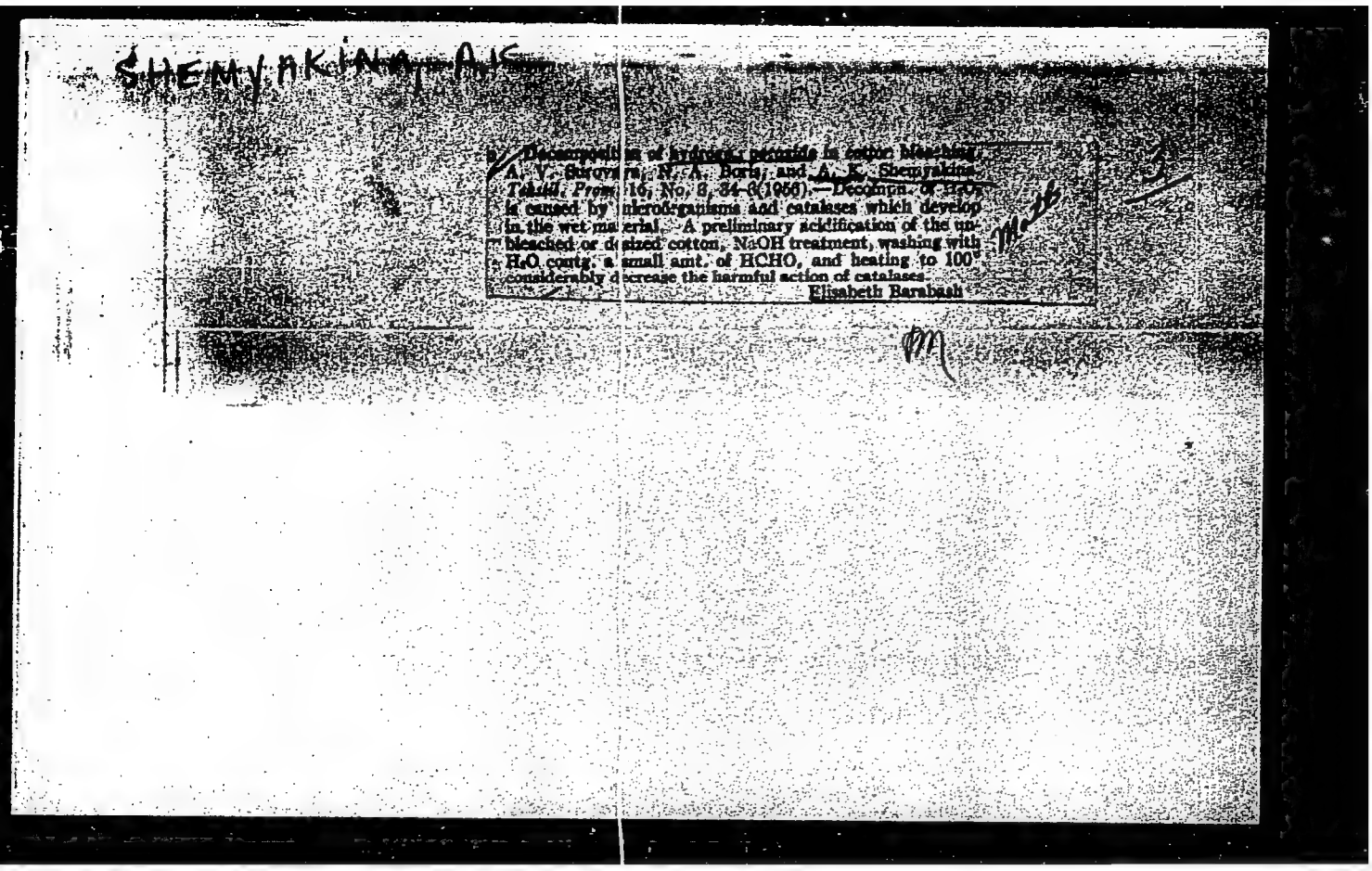


SHEMYAKINA, A.F., kand.sel'skokhozyaystvennykh nauk

Correct recording of crops. Biol. v shkole no.5:54 S-O '61.
(MIRA 14:9)

1. Moskovskaya sel'skokhozyaystvennaya akademiya imeni K.A. Timiryazeva.

(Agriculture--Experimentation)



SHEMYAKINA-A.S.

Decomposition of hydrogen peroxide in cotton bleaching. A. V. Gurova, N. A. Boris, and A. K. Shemyakina. *Tekstil. Prom.* 16, No. 8, 34-6(1956).—Decompn. of H_2O_2 is caused by microorganisms and catalases which develop in the wet material. A preliminary acidification of the unbleached or desized cotton, NaOH treatment, washing with H_2O contg. a small amt. of HCHO, and heating to 100° considerably decrease the harmful action of catalases.

Elisabeth Barabash

SHEMYAKINA, A. K.

The decomposition of hydrogen peroxide in cotton bleaching. A. V. Surovaya, N. A. Boris, and A. K. Shemyakina. *Tekstil Promyt* 17, 708–12(1957).—See *C. A.* 51, 10194.
J. A. Szilard

4

SHEMYAKINA, M. P.

Dissertation defended for the degree of Doctor of Chemical Sciences at the Institute of Elemento-organic Compounds in 1962:

"Modes of Synthesis, Properties, and Stereochemistry of Compounds of the Cycloaliphatic Series."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

SHCHEMYAKIN, O.S.

SHCHEMYAKIN, O.S.

Damage caused by yperite in chilled, overheated, and exhausted animals; abstract. Voen.-med.zhur. no.3:80 Mr '61. (MIRA 14:7)
(MUSTARD GAS)

KUSTOV, V.V.; DENISENKO, A.A.; SHEMYAKIN, O.S.

Toxicology of triethylamine. Farm.i toks. 23 no.2:174-177 Mr-Ap '60. (MIRA 14:3)

(ETHYLAMINE--TOXICOLOGY)

GUSEV, V.N., inzh.; MARKIN, V.P., inzh.; TERENKAL', V.R., inzh.; SHEVYAKIN, P.A., inzh.

Adjustment and test results of the TP-70 boiler operating on natural gas. Energomashinostroenie 7 no.7:1-5 Jl '61. (MIRA 14:8)

(Boilers--Testing)